DATASHEET

Marlow®

BRAIDLINE NYLON

Braidline Nylon offers excellent resistance to damage compared to traditional single braid constructions and offers significantly higher elongation than the Braidline Polyester. The 12 strand core and 24 plait cover work together in unison to improve strength and offer extended fatigue life. Ideal for applications where high shock loads are present.

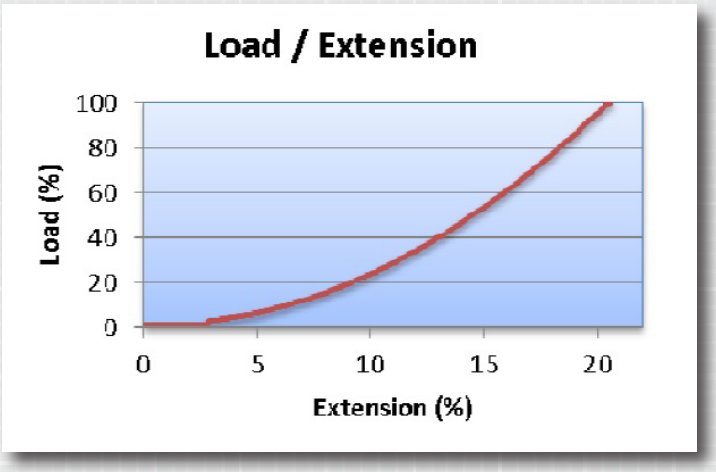
Key Specifications:

APPLICATIONS	Mooring Pendants, Mooring Lines, General Working Lines, Slings, Strops
MATERIAL:	Nylon
CONSTRUCTION:	Twisted Fibre , Double braided construction
RELATIVE DENSITY:	1.14
CHEMICAL RESISTANCE:	Good resistance to most chemicals, except acids (additional information available on request)
UV RESISTANCE:	UV stabilised
MELTING POINT:	220°C
TERMINATIONS **SPLICED EYE TERMINATION:**	Doublebraid Splice An allowance of 50x rope diameter should be made for the overall length of the splice. To optimise the efficiency of a soft eye splice (without a thimble), the angle formed at the neck of the splice should be 30° or less, meaning that when flat, the length of the eye must be 2.7x the diameter of the object over which the splice will be used. A splice will normally increase the diameter of the rope between 1.5x and 1.75x.

ELONGATION

Typical working elongation (for a bedded in rope):

@ 10% of break load: 6.30%
@ 20% of break load: 9.20%
To break: 20.5%



PERFORMANCE

DIAMETER	CIRCUMFERENCE	MASS		MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN
16	2	160	10.73	6450	14190	63.3
18	2 1/4	210	14.08	8640	19008	84.8
20	2 1/2	290	19.45	11500	25300	112.8
24	3	360	24.14	14300	31460	140.3
28	3 1/2	490	32.86	19400	42680	190.3
32	4	640	42.92	25300	55660	248.2
36	4 1/2	800	53.65	31900	70180	312.9
40	5	990	66.39	39000	85800	382.6
44	5 1/2	1200	80.48	47200	103840	463.0
48	6	1430	95.90	56000	123200	549.4
52	6 1/2	1680	112.67	65500	144100	642.6
56	7	1950	130.77	75700	166540	742.6
60	7 1/2	2230	149.55	86400	190080	847.6
64	8	2540	170.34	98000	215600	961.4
72	9	3210	215.27	124000	272800	1216.4
80	10	3970	266.24	152000	334400	1491.1

Marlow Ropes Ltd
Ropemaker Park
Hailsham
East Sussex, BN27 3GU
England

Marlow Ropes, Inc.
Cordage Business Park
Plymouth
MA 02360
USA

UK: +44 (0) 1323 444 444
sales@marlowropes.com
US: +1 508 830 444
salesusa@marlowropes.com

www.marlowropes.com

MADE IN BRITAIN - SINCE 1807

REGISTERED ISOQAR

UKAS MANAGEMENT SYSTEMS 0026

Certificate Number 315
ISO 9001
ISO 14001

Disclaimer
Marlow Ropes Ltd endeavours to ensure that all products are manufactured to the highest standard, these guidelines are not intended and do not create any warranties, express or implied.Marlow Ropes Ltd expressly disclaims warranties or representations of any kind, express or implied, including the implied warranties of merchantability and fitness for a particular purpose.Marlow Ropes Ltd shall not be liable for any consequential, incidental or contingent damages whatsoever stemming from the use of these guidelines.Marlow Ropes Ltd has a policy of continual improvement which may result in specification and colour changes without prior notice.